



Cordova Site Overview

December 3, 2019

Agenda

- Introductions
- Safety Video / Safety Policies
- Site Overview & Operation

Welcome - Introductions

- | | |
|----------------------|-------------------|
| ■ Daren Vanlerberghe | U.S. EPA-NEIC |
| ■ David Parker | U.S. EPA-NEIC |
| ■ Trent Rainey | U.S. EPA-NEIC |
| ■ Linda Tekrony | U.S. EPA-NEIC |
| ■ Ray Cullen | U.S. EPA Region 5 |
| ■ Sean Ireland | U.S. EPA HQ |
| ■ Caitlin Roesler | U.S. EPA HQ |

3M Team – Introduction

■ Dave Andrews	Plant Manager
■ Rich Stutzki	Lead
■ Keith Schmuck	Remediation / Water
■ Erin Balasky	Waste / Water
■ Mary Jo Westerberg	Waste
■ Andrew Willing	Waste / Water
■ Carie Mathison	Water
■ Jeannie Martin	Remediation
■ Chris Bryan	Water



Safety Video

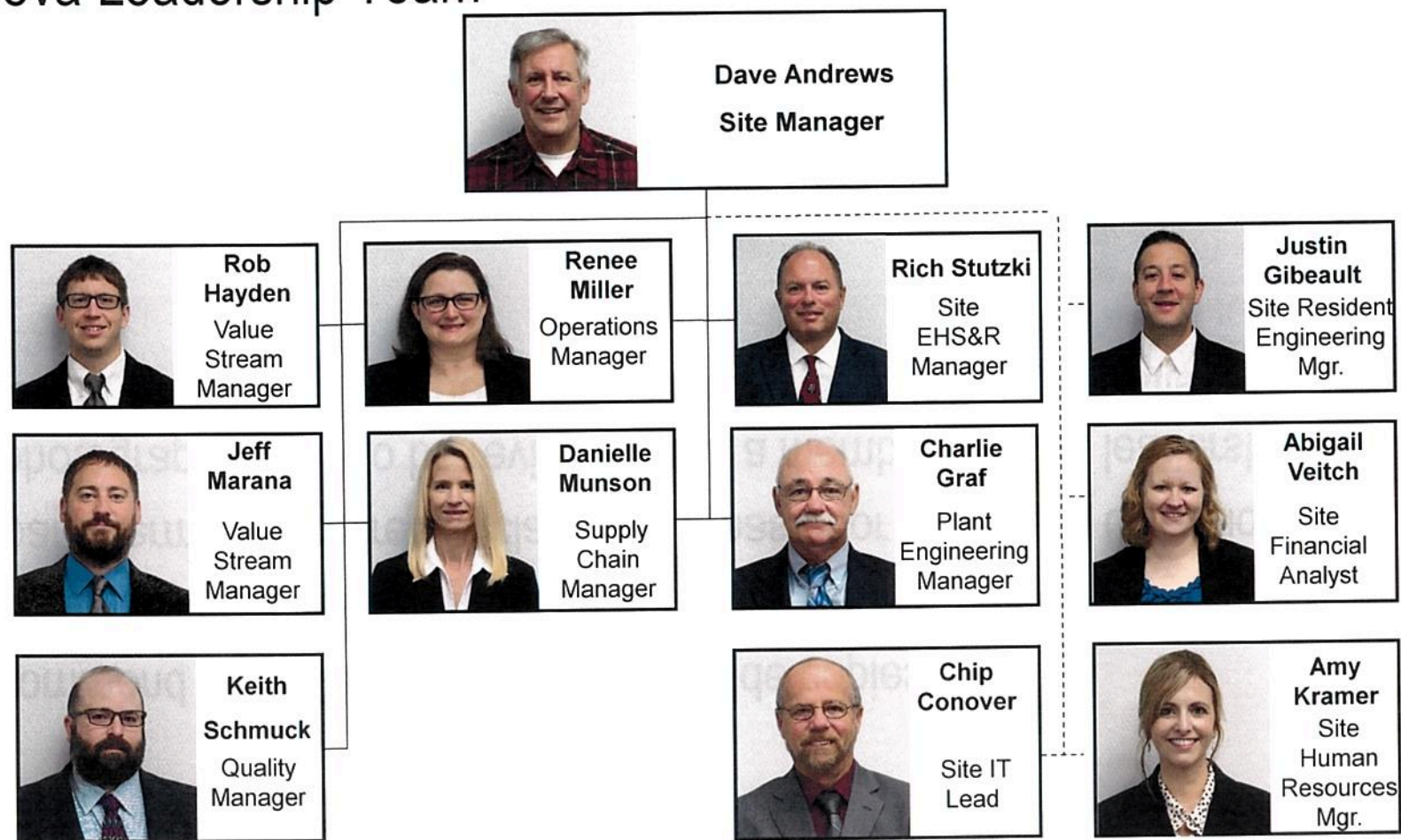
Safety Policies

- Please leave electronic devices in your vehicle or conference room (ie, cell phone, Apple Watch, FitBit, etc).
- Safety glasses with side shields are required at all times.
- Validate your shoes for ESD before entering production areas.
- ESD straps are available for use.
- Please stay with your escorts. In an emergency, they will provide needed direction to assure your safety.

Camera Permit / Spark Permit Policy

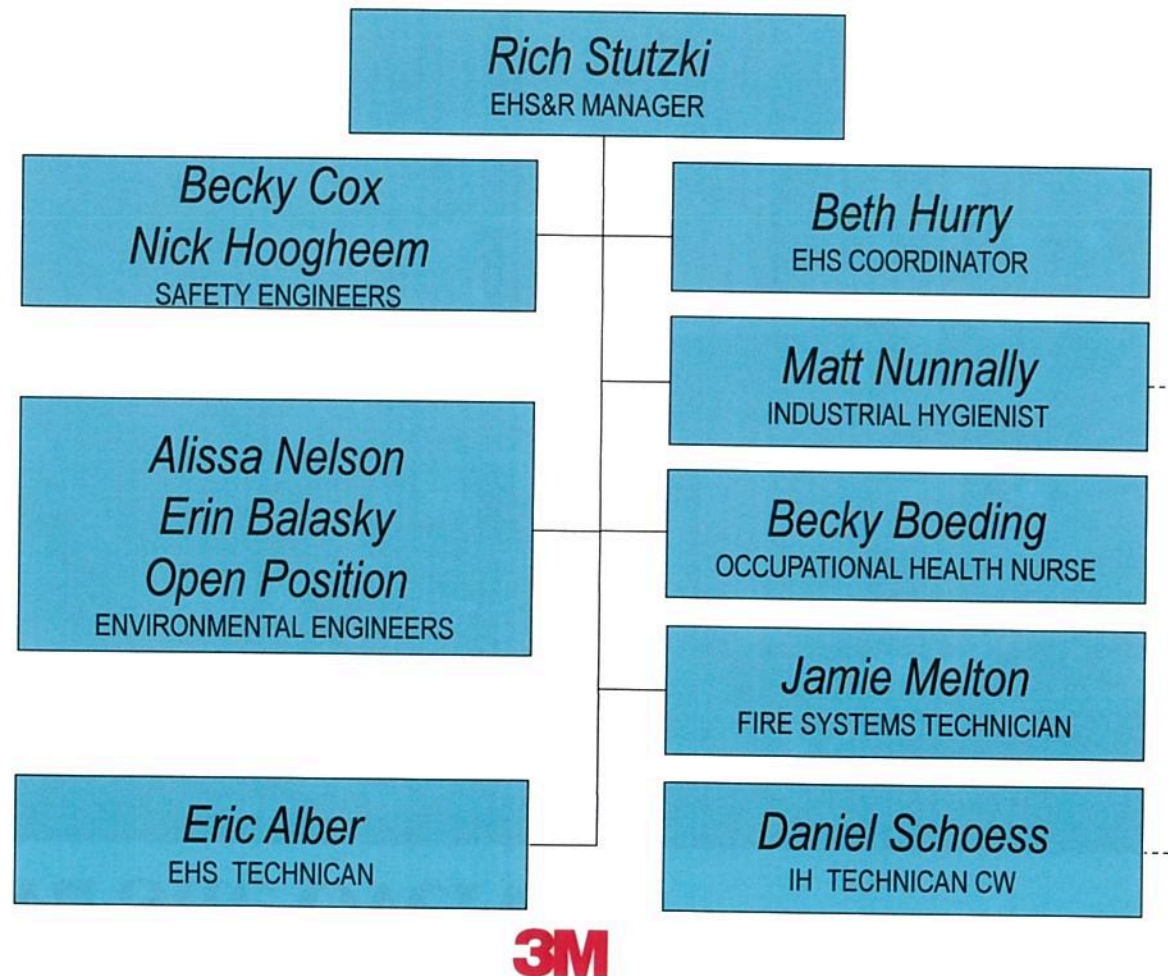
- Recommend 3M take all photos and provide copies
- All photographers need to have an approved permit
- A spark permit is required in classified areas prior to camera utilization
- All photographs need to be reviewed with a member of plant leadership for final review of confidential business information prior to leaving the site

Cordova Leadership Team



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EHS&R Organization



3M Cordova Site Overview



3M Cordova Site Overview

Site Statistics

- 750-acre site
- First production - 1970
- 470 3M Employees
- Internal and external global customer base
- Strong community engagement

PFAS Product Portfolio

- Specialty Fluorochemical Finished Goods used in Electronics and Fire Protection Industries
- Semi-Finished Fluorochemicals used to manufacture:
 - Carpet and apparel products
 - Battery electrolytes
 - Specialty monomers and surfactants

Cordova Site Production Areas

1. Internal Materials Factory

- Buildings 3, 4, and 23
- Primarily acrylate monomer and adhesives

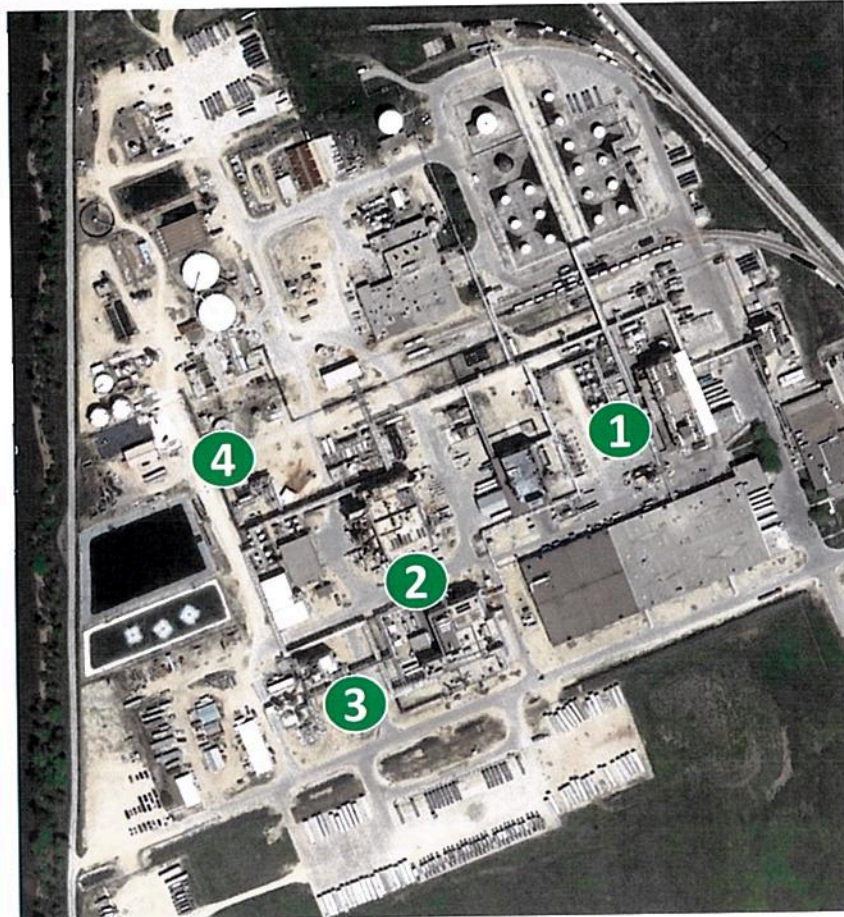
2. Electronic Materials Factory

- Buildings 20 and 30
- Electrochemical Fluorination (ECF)
- Specialty Fluids

3. Thermal Oxidizer (TO)

- Vent emissions from Electronic Materials Factory

4. Wastewater Treatment plant (WWTP)



Cordova Internals – Product Portfolio Sampling



Solvent-less
Adhesives



Acrylate
Monomers



HPS Adhesives
Low Adhesion Backsizes



Water-based Adhesives
Low Adhesion Backsizes



Optically Clear
Adhesives



Solution Polymer Adhesives
Low Adhesion Backsizes

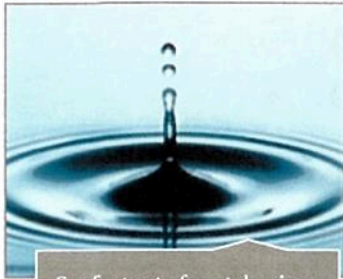


Medical (GMP)



Electronic Materials Solutions

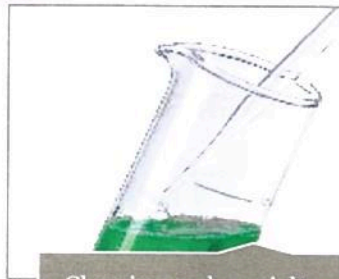
Semiconductor Manufacturing & Packaging



Surfactants for etch, rinse and cleaning



Carrier and lubricant deposition solvents



Cleaning and specialty solvents



Electrolyte and antistatic additive

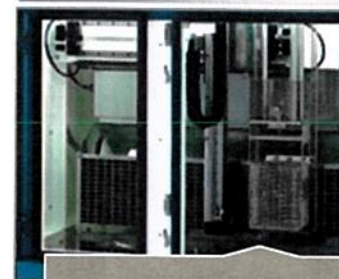


Heat transfer fluids



SF₆ alternative:
Dielectric gas

Device Components



IC test fluids



Protective and easy-clean coatings



Immersion cooling for data centers

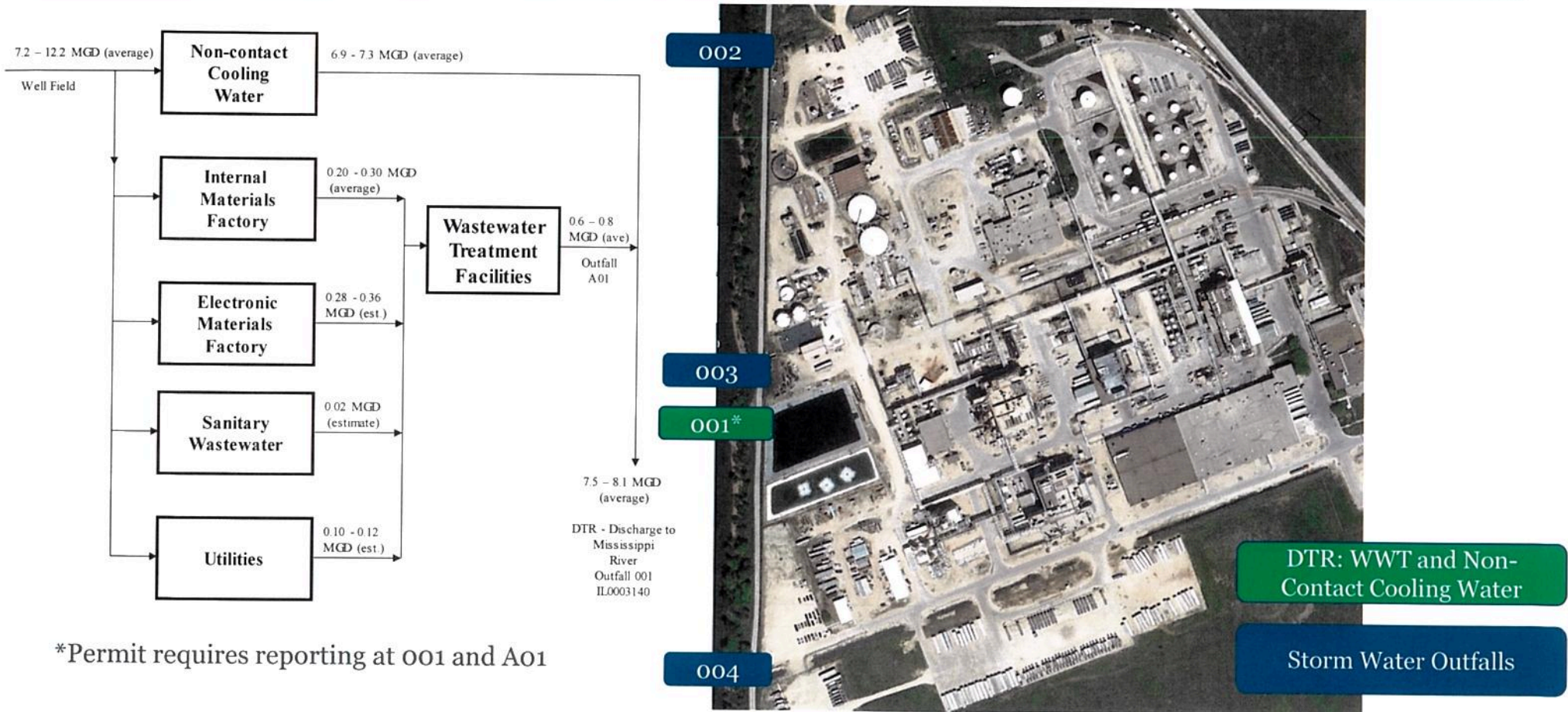


Fire protection clean agent

Device Assembly

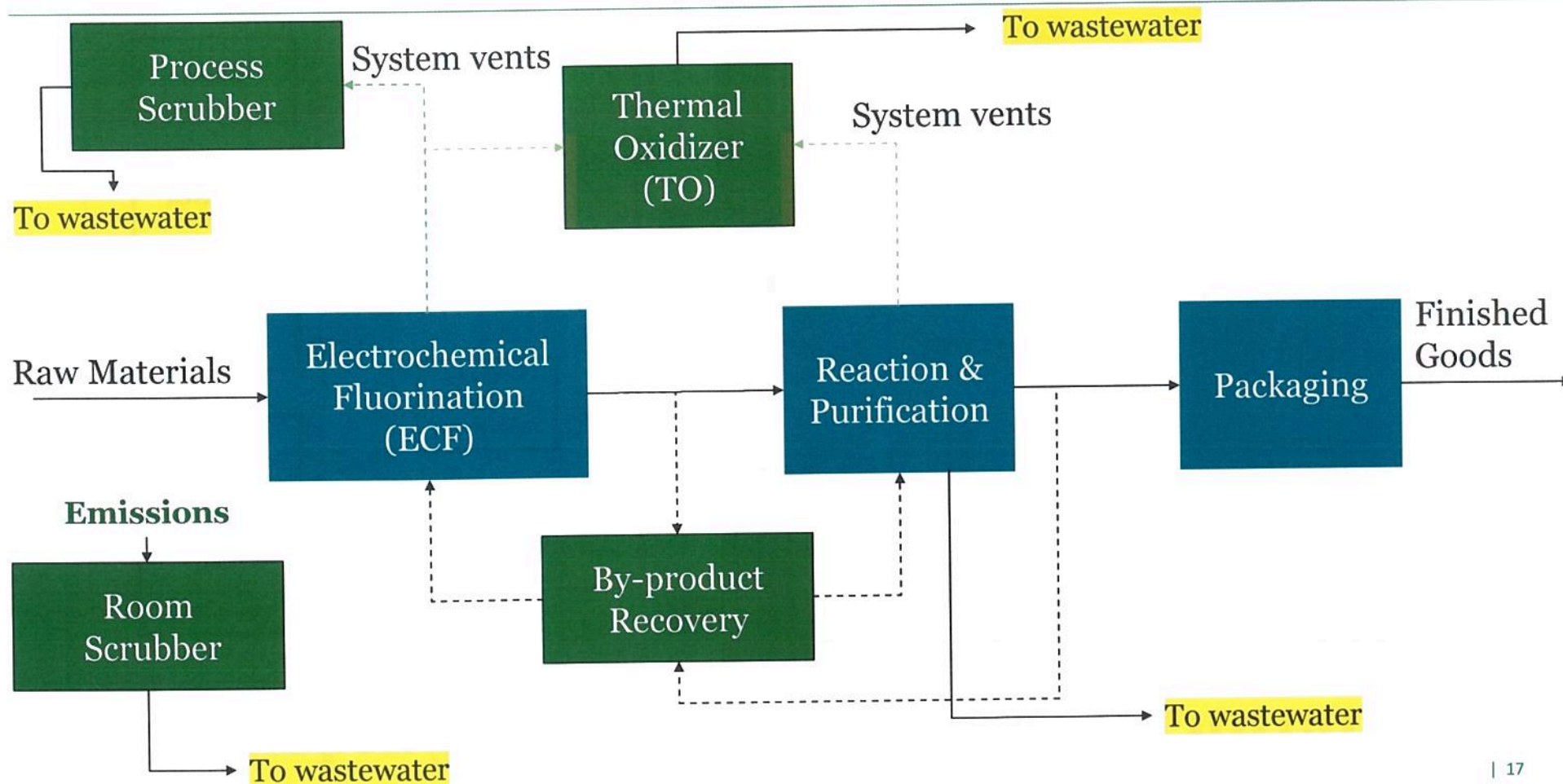
Operation & Automation

Wastewater Treatment Flows and Outfalls



*Permit requires reporting at 001 and A01

3M Cordova – Wastewater sources



Food Options

On-site 3M Cordova (Order Ahead)

- MWF – Subs 2 Go – Sub sandwiches, but can call and order pizza, wraps or pasta
- TH – Corner Deli – Salad Bar, Tacos or Taco Salad

Off-site

- Subs 2 Go – Albany <https://www.subs2goalbany.com/>
- Riley's Roadhouse – Cordova, IL 309-654-9463
- Shell Expresslane – Cordova (Pizza, Misc) 309-654-2900
- Subway – Port Byron 309-848-0104
- Duey's Corner Tap – Port Byron 309-523-3751
- Jimmie Lee's – Port Byron 309-523-9409
- Rams Riverhouse, Port Byron – Thursday and Friday 309-523-3400
- The Little Deli – LeClaire, IA 563-289-1905